

What is claimed is:

1. A cylindrical optoelectronic air cleaner comprising a main body of cylindrical shape, the main body including a draft fan, a transformer, a circuit board, an extreme ultraviolet ray tube and a cathode high voltage discharge fiber thread therein, characterized in that the main body are provided with an air inlet and an air outlet, the air outlet being disposed on the front end of the main body, an air exhaust gridiron being disposed in the front surface of a curved plate fixed on a front gridiron on the front end of the main body; the air inlet being disposed on the rear end of the main body and having an air input gridiron provided with a dustproof gridiron, a dust screen and a dust cover for the air inlet; a draft fan fixing cover, a draft fan and a fixing frame being provided adjacent to the inner surface of the air exhaust gridiron; a carbon fiber thread being fixed to the center of the front surface of the air exhaust gridiron; an air collecting device being disposed between the air inlet and the draft fan; and an extreme ultraviolet ray tube being disposed at the center of the air collecting device.

2. The cylindrical optoelectronic air cleaner according to claim 1, wherein the air collecting device is defined by the space enclosed by an air collecting wall and a shield wall, and the extreme ultraviolet ray tube is fixed between the front and the

rear shield wall so that the ultraviolet ray would not radiate outside the cleaner.

3. The cylindrical optoelectronic air cleaner according to claim 1, wherein the main body is provided with a supporting frame therein and a fixing protection cover is connected to the top end of the supporting frame, an electronic converter being provided on the top end of the protection cover and a power supply electronic generator and a transformer being provided within the protection cover.